

Project Development phase Deployment on ibm cloud

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Team ID	PNT2022TMID50116
Project Name	Web phishing Detection

The screenshot displays the IBM Watson Studio web interface. The top navigation bar includes tabs for 'Your IBM Cloud verification', 'Identity & Access Management', 'IBM Watson Studio', 'Service Details - IBM Cloud', and 'MLR deployment ibm (1)'. The main content area shows the deployment 'Ac3_mir_deploy' with a status of 'Deployed' and 'Online'. The 'API reference' tab is active, displaying the 'Direct link' endpoint: `https://us-south.ml.cloud.ibm.com/ml/v4/deployments/325d4a7e-98c8-4be1-bb25-de1e3b1fd073/predictions?version=2022-11-18`. Below the endpoint, there are tabs for 'Code snippets' in cURL, Java, JavaScript, Python, and Scala. The Python tab is selected, showing a code snippet for making a REST API call using the 'requests' library. The code includes steps for obtaining an API key, generating an access token, and sending a POST request to the deployment endpoint with a JSON payload. The right sidebar provides additional details about the deployment, including its creation and update timestamps, deployment ID, software specification (runtime-22.1-py3.9), and associated assets.

PYTHON:-

import requests

NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.

API_KEY = "<your API key>"

```
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]
```

```
header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
```

NOTE: manually define and pass the array(s) of values to be scored in the next line

```
payload_scoring = {"input_data": [{"fields": [array_of_input_fields], "values":
[array_of_values_to_be_scored, another_array_of_values_to_be_scored]}}
```

```
response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/325d4a7e-98c8-4be1-bb25-de1e3b1fd073/predictions?version=2022-11-18', json=payload_scoring, headers={'Authorization': 'Bearer ' + mltoken})  
print("Scoring response")  
print(response_scoring.json())
```

Direct link:- <https://us-south.ml.cloud.ibm.com/ml/v4/deployments/325d4a7e-98c8-4be1-bb25-de1e3b1fd073/predictions?version=2022-11-18>